

AN APPARATUS FOR SUPPLYING A THERAPEUTIC OXYGEN GAS

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ABSTRACT OF THE DISCLOSURE

10 The apparatus includes a cylinder for containing a
pressurized therapeutic oxygen gas, a nasal cannula,
adapted to be introduced into a nasal passage of a
patient, and a conduit extending between the cylinder and
the nasal cannula for directing the therapeutic oxygen
gas to the nasal cannula from the cylinder. A pressure
15 sensor is provided on the conduit for detecting the
pressure in the conduit. A valve is provided, in the
conduit, which allows and blocks the fluid communication
between the cylinder and the nasal cannula. A controller
controls the operation of the valve in synchronization
with the respiration of a patient, based on the changes
20 in the pressure detected by the pressure sensor. The
volume of the oxygen therapeutic gas passing through the
valve for each respiration is increased, compared with a
normal respiration condition, when the respiratory
frequency increases.